Appl. No.

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AMENDMENTS TO THE CLAIMS

Please amend Claims 3, 4, 6-15, 17, 20, 21, 23, and 24 as indicated below.

1. (**Original**) A system for spooling and unspooling a flexible conduit configured to contain a flow of a pressurized fluid, comprising:

a reel drum onto which the flexible conduit can be spooled;

a generator operatively connected to a flow path within the conduit, the generator configured to receive a pressurized fluid flow therethrough and convert kinetic energy of the pressurized fluid flow into electricity;

a battery operatively connected to the generator and configured to receive and store the electricity; and

a motor for selectively driving rotation of the reel drum, the motor being connected to the battery and configured to receive electrical power from the battery.

- 2. (Original) The system of Claim 1, wherein the conduit comprises a water hose.
- 3. (Currently Amended) The system of Claim 1, wherein the pressurized fluid [[is]] comprises a liquid.
- 4. (Currently Amended) The system of Claim 1, wherein the pressurized fluid [[is]] comprises a gas.
- 5. (Original) The system of Claim 1, wherein the generator comprises a turbine having a body rotatable about an axis in-line with the flow path within the conduit, the body having a length and at least one vane extending outward from the body and into the flow path, wherein the at least one vane is adapted to receive a force thereon from the fluid flow to rotate about the axis.
- 6. (Currently Amended) The system of Claim 5, wherein [[the]] at least one surface of the at least one vane is curved.
- 7. (Currently Amended) The generator system of Claim 6, wherein the at least one vane extends substantially continuously along the length of the body.
- 8. (Currently Amended) The system of Claim 1, wherein the generator comprises an impeller having a body disposed adjacent the flow path within the conduit, the impeller rotatable about an axis and having at least one paddle extending radially outward from the body

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and into the flow path, the <u>at least one</u> paddle configured to receive a force thereon from the fluid flow to rotate about the axis.

- 9. (Currently Amended) The [[flow]] system of Claim 1, further comprising an electrical actuator configured to actuate a valve communicating with the flow path to selectively open or close the flow path.
- 10. (Currently Amended) The [[flow]] system of Claim 9, wherein the valve is configured to permit selective setting of the size of a flow orifice of the flow path to any of a multiplicity of positions between a completely open position and a completely close position.
 - 11. (Currently Amended) A conduit managing system comprising: an electrically powered hose reel;

a fluid flow control device including a fluid flow path extending between an inlet and an outlet of the device, an electrically actuated valve disposed in-line with the flow path and configured to selectively open or close the flow path, and electronics configured to actuate the valve;

a generator configured to convert [[the]] kinetic energy of a pressurized fluid flowing through the flow path into electricity; and

an electrical circuit for delivering the electricity from the generator to the fluid flow control device and the hose reel.

- 12. (Currently Amended) The flow control conduit managing system of Claim 11, further comprising a remote control configured to transmit a signal to the electronics from a remote location to actuate the electrically actuated valve and/or the hose reel.
- 13. (Currently Amended) The flow control conduit managing system of Claim 11, wherein the electrical [[flow]] circuit comprises a battery storing the electricity from the generator.
- 14. (Currently Amended) The flow control conduit managing system of Claim 11, wherein the fluid flow control device is configured to permit selective setting of the size of a flow orifice of the flow path to any of a multiplicity of positions between a completely open position and a completely closed position.
 - 15. (Currently Amended) A hose control system comprising: a reel for spooling and unspooling a flexible fluid conduit;

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a motor connected to the reel to drive rotation of the reel;

an electrically actuated flow control device, the flow control device configured to selectively allow a pressurized fluid flow therethrough; and

a generator adapted to harness [[the]] energy of the pressurized fluid flow to electrically charge a battery connected to both the flow control device and the motor,

wherein the battery is configured to provide power to both the flow control device and the motor.

16. (Original) A method of spooling a hose, comprising:

providing a flow control device connected to the hose, the device comprising a flow path in communication with the hose and configured to receive a pressurized fluid flow therethrough, the device including an electrically actuated valve in communication with the flow path;

providing a generator, at least a portion of which is disposed in the flow path, the generator configured to convert kinetic energy of the pressurized fluid flow into electrical energy;

charging a battery connected to the generator with the electrical energy; and providing an electrical connection from the battery to a hose reel to electrically power rotation of the hose reel with the battery.

- 17. (Currently Amended) The method of Claim 16, further comprising selectively actuating the electrically actuated valve with <u>electrical</u> power from the battery to open and close the flow path.
- 18. (Original) The method of Claim 17, wherein selectively actuating comprises wirelessly signaling the flow control device.
- 19. (Original) The method of Claim 17, wherein selectively actuating comprises receiving a wireless signal for controlling the rotation of the hose reel.
- 20. (Currently Amended) A method of reeling or unreeling a hose and regulating a pressurized fluid flow through the hose, the method comprising:

providing a flow control device connected to [[a]] the hose, the device having a flow path;

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harnessing [[the]] energy of a pressurized fluid flow through the hose to generate electricity;

charging a battery with the electricity;

powering the reeling or unreeling of the hose with the electricity from the battery; and

providing electrical power the electricity from the battery to the flow control device to selectively allow flow through the flow path.

21. (Currently Amended) A method for electrically powering a reel from a pressurized fluid flow through a conduit, comprising:

providing a conduit defining a flow path configured to receive [[a]] the pressurized fluid flow therethrough from a mechanical source;

harnessing [[the]] energy of the pressurized fluid flow to generate electricity; and powering rotation of the reel using the generated electricity.

- 22. (Original) The method of Claim 21, further comprising charging a battery with the generated electricity.
- 23. (Currently Amended) The method of Claim 21, wherein the mechanical source [[is]] comprises a pump.
- 24. (Currently Amended) The method of Claim 21, further comprising operating, with the generated electricity, an electrical device associated with the fluid flow with the generated electricity.
- 25. (Original) The method of Claim 24, wherein the electrical device comprises a valve capable of selectively opening and closing the flow path.
- 26. (Original) The method of Claim 21, wherein powering rotation of the reel comprises providing electrical power to a motor connected to the reel.